

## Packaging sustainable solutions

# LusterPrint®

At Sappi, we don't make you choose between commitment to sustainability and cost. Our LusterPrint provides a paper-based packaging solution as an alternative to fossil fuel-based materials, and it's derived from renewable resources, so you get a premium, sustainable solution without the premium cost.

### Sustainable sourcing

As a natural resource company, Sappi has always focused on promoting the long-term vitality of forests while boosting local economies. Our wood suppliers harvest trees using a system of Best Management Practices (BMPs). Our sourcing practices also meet the requirements of the leading global forestry certification standards including the Forest Stewardship Council® (FSC-C014955) program, the Sustainable Forestry Initiative® (SFI) program and the Programme for the Endorsement of Forest Certification Schemes™ (PEFC). LusterPrint is delivered with SFI® chain of custody certification as a standard offering. FSC® and PEFC™ are also available upon request, pending availability of certified fiber credits.

### Lean manufacturing

Energy use is an ongoing topic of global concern, so Sappi remains committed to decreasing energy consumption and improving process efficiencies across our entire manufacturing operation. Because fossil fuel use is closely linked to climate change and is a major cost driver in manufacturing wood products, we set a goal to derive most of our steam-and-power-generating fuels from renewable sources and reduce energy intensity by five percent.

In addition to energy consumption, we're targeting a 10 percent reduction in raw material losses in our pulp mill and a five percent reduction in our paper mills over the next several years. Efficient use of raw materials means greater cost savings and reduced environmental impact.

### Safe use

Sappi's LusterPrint paper has superior printability and high strength for exceptional performance in dynamic filling operations. Our LusterPrint GR3 MAX is ideal for end uses that require grease resistance such as multiwall bags for pet food, while our Untreated LusterPrint is best for applications such as coffee, confections and seed packs that don't require grease resistance. LusterPrint GRL is suitable for applications requiring light grease resistance such as theater popcorn and corn flour bags.

LusterPrint complies with FDA regulations for paper and paperboard packaging—FDA compliance statements are available upon request. Sappi also certifies that LusterPrint is not manufactured with Perfluorooctanoic acid (PFOA), Perfluorooctane Sulfonate (PFOS) or Perfluorosulfonic Acid (PFSA).

### Recyclable paper

We treat all materials, including by-products, as valuable resources rather than waste. Converters right-size multiwall bags for their contents, meeting both transport and go-to-market needs without creating excess packaging waste. And during the bag-making process, trimmings are able to be collected and recycled.

Sappi continues to encourage initiatives to improve product labeling on how to recycle packaging, such as separating plastic films from multiwall bags. Single-ply or paper-only bag constructions using LusterPrint are fully recyclable, and we encourage the addition of a "recyclable" on-product label. We're a strong proponent of educational outreach and programs that lead to higher recovery of paper and other recyclable materials, and we're a proud supporter of The Recycling Partnership.



## LusterPrint product specifications

If you care about the performance of your package, look no further. Sappi's LusterPrint is an FDA-compliant packaging paper designed specifically for challenging converting applications.

LusterPrint										
PROPERTY	UNITS	GR3 MAX AND GRL			GRL	UNTREATED				TEST METHOD
Basis Weight	lb/3000 sf	41	45	50	68	41	45	50	55	TAPPI T410
Basis Weight	gsm	67	74	81	111	67	74	81	89	TAPPI T410
Brightness	% reflectance	84	84	84	88	84	84	84	84	TAPPI T452
Gloss	% reflectance	64	64	64	60	64	64	64	64	TAPPI T480—75 Degree Gloss
Opacity	%	80	82	84	90	80	82	84	84	TAPPI T425
Smoothness	microns	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	TAPPI T555—Parker Print Surf
Tear, MD	g-force	48	53	58	92	46	51	55	59	TAPPI T414—Elmendorf Tear
Tear, CD	g-force	52	58	66	90	49	55	62	65	TAPPI T414—Elmendorf Tear
Kit Test*		6	6	6	5					TAPPI T559
Tensile, MD	lb/in	27	29	31	44	30	31	32	32	TAPPI T494
Tensile, CD	lb/in	14	15	16	28	14	15	16	17	TAPPI T494
Mullen	psi	27	29	31	53	27	29	31	34	TMI Burst Instrument

## World-class manufacturing



**Paper Machine 2 at Sappi's Somerset Mill in Skowhegan, Maine**

Originally built in 1986 (rebuilt in 2002)  
 Online coating and calendering  
 41# to 55# LusterPrint  
 55# to 65# LusterCote  
 280" wide trim  
 Production speeds up to 3,500 ft/min  
 Production capacity of 225,000 tpy



**Paper Machine 9 at Sappi's Westbrook Mill in Westbrook, Maine**

Originally built in 1947 (rebuilt in 1963)  
 Online coating C1S; offline calendering  
 68# LusterPrint  
 134" wide trim  
 Production speeds up to 1,000 ft/min  
 Production capacity of 40,000 tpy

**Our technical experts are on call at 1-877-SappiHelp.**



For more information about Sappi's sustainability performance, please visit [sappi.com](http://sappi.com)

**Production Notes**  
 Printed on McCoy for HP Indigo Silk Cover 100lb/270gsm

800.882.4332  
[sappi.com](http://sappi.com)

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